TITLE 326 AIR POLLUTION CONTROL BOARD

RULE AS PRELIMINARILY ADOPTED

LSA Document #99-265

DIGEST

Amends 326 IAC 6-3 concerning process weight rates. Effective 30 days after filing with the secretary of state.

HISTORY

First Notice of Comment Period: January 1, 2000, Indiana Register (23 IR 926).
Second Notice of Comment Period: February 1, 2001, Indiana Register (24 IR 1472).
Date of First Hearing: April 12, 2001.
Notice of Second Hearing: June 1, 2001, Indiana Register (24 IR 2742).
Date of Second Hearing: August 1, 2001.

326 IAC 6-3-1
326 IAC 6-3-2

SECTION 1. IS AMENDED TO READ AS FOLLOWS:

326 IAC 6-3-1 Applicability

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11; IC 13-17-3-12
Affected: IC 13-15; IC 13-17

Sec. 1. (a) This rule establishes emission limitations for particulate emissions from process operations located anywhere in the state.

(b) The following processes and their attendant emissions are exempt from this rule:
(1) Combustion for indirect heating.
(2) Incinerators.
(3) Open burning.
(4) Existing foundry cupolas **that are subject to the requirements of 326 IAC 11-1**.
(5) Dip coating.
(6) Dip galvanizing.
(7) Roll coating.
(8) Insignificant activities defined at 326 IAC 2-7-1(21), provided the criteria for being

an insignificant activity under 326 IAC 2-7-1(21) are met. The following insignificant activities are not exempt from this rule:

(A) 326 IAC 2-7-1(21)(A).
(B) 326 IAC 2-7-1(21)(B).
(C) 326 IAC 2-7-1(21)(C).
(D) 326 IAC 2-7-1(21)(G)(vi)(DD).
(E) 326 IAC 2-7-1(21)(G)(vi)(EE).
(F) 326 IAC 2-7-1(21)(G)(vi)(II).
(G) 326 IAC 2-7-1(21)(G)(ix).
(H) 326 IAC 2-7-1(21)(G)(xi).
(I) 326 IAC 2-7-1(21)(G)(xiv).
(J) 326 IAC 2-7-1(21)(G)(xv).
(K) 326 IAC 2-7-1(21)(G)(xviii).
(L) 326 IAC 2-7-1(21)(G)(xxvi).
(M) 326 IAC 2-7-1(21)(G)(xxviii).

(9) Trivial activities as defined at 326 IAC 2-7-1(40).
(10) Processes with potential emissions less than 0.551 lb/hr.

~~(b)~~**(c)** If any limitation **is** established:
(1) by this rule **that** is inconsistent with applicable limitations contained in 326 IAC 6-1; **or**
(2) by 326 IAC 12 concerning new source performance standards; ~~or~~
~~(3) in a Part 70 permit in accordance with 326 IAC 2-7-24;~~
then the limitation contained in this rule shall not apply, but the limit in ~~such sections~~ **326 IAC 6-1, or 326 IAC 12**, ~~or Part 70 permit,~~ **as applicable,** shall apply. *(Air Pollution Control Board; 326 IAC 6-3-1; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2499; filed Apr 22, 1997, 2:00 p.m.: 20 IR 2367)*

SECTION 2. 326 IAC 6-3-2 IS AMENDED TO READ AS FOLLOWS:

326 IAC 6-3-2 Particulate emission limitations

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11; IC 13-17-3-12
Affected: IC 13-15; IC 13-17

Sec. 2. **(a) Any process operation listed in subsections (b) through (d) shall follow the work practices and control technologies contained therein. All other process operations subject to this rule shall calculate emission limitations according to requirements in subsection (e).**

~~(a)~~ Cement Kilns: ~~No owner or operator of a~~ **(b)** Cement manufacturing ~~operation~~ **kilns** commencing operation prior to December 6, 1968, ~~equipped with electrostatic precipitators, bag filters~~

~~or equivalent gas-cleaning devices~~ shall **not** cause, allow, or permit any discharge to the atmosphere any gases containing particulate matter in excess **of the following**:

(1) $E = 8.6\ P^{0.67}$, below thirty (30) ~~tons per hour~~ **tons/hour** of process weight.

(2) $E = 15.0\ P^{0.50}$, over thirty (30) ~~tons per hour~~ **tons/hour** of process weight.

Where E = emission rate in pounds/hour **(lbs/hr)** and P = process weight in tons/hour.

~~(b)~~ **(c)** Catalytic cracking units ~~The owner or operator of a catalytic cracking unit~~ commencing operation prior to December 6, 1968, and ~~which is~~ equipped with cyclone separators, electrostatic precipitators, or other gas-cleaning systems shall recover **ninety-nine and ninety-seven hundredths percent** (99.97%) or more of the circulating catalyst or total gas-borne particulate.

(d) Surface coating, reinforced plastics composites fabricating operations, or graphic arts operations with a potential to emit particulate matter shall be controlled by a dry particulate filter or an equivalent control device, subject to the following:

(1) The source shall operate the particulate control device in accordance with manufacturer's specifications.

(2) Overspray shall not be visibly detectable at the exhaust or accumulated on the ground.

(3) A particulate matter control device is not required for operations that use less than ten (10) gallons of coating per day. At any time the coating application rate increases to greater than ten (10) gallons per day, particulate matter control devices must be in place. An operation that is subject to this subsection shall remain subject to it notwithstanding any subsequent decrease in gallons of coating used.

~~(c)~~ **(e)** Process operations **to which control methods in subsections (b) through (d) do not apply shall calculate allowable emissions as follows:**

(1) No person shall operate any process so as to produce, cause, suffer, or allow particulate matter to be emitted in excess of the amount shown in the following table. **The maximum allowable rate of emission shall be based on maximum process weight rate for an operation.**

(2) When the process weight rate is less than one hundred (100) lbs/hr, the maximum allowable rate of emission shall not exceed five hundred fifty one-thousandth (0.551) lb/hr.

(3) When the process weight exceeds two hundred (200) tons/hour, the maximum allowable emission may exceed that shown in the table, provided the concentration of particulate matter in the discharge gases to the atmosphere is less than one-tenth (0.10) pound per one thousand (1,000) pounds of gases.

Allowable Rate of Emission Based on Process Weight Rate[1]

Process Weight Rate			Process Weight Rate		
Lbs/Hr	Tons/Hr	Rate of Emission Lbs/Hr	Lbs/Hr	Tons/Hr	Rate of Emission Lbs/Hr
100					
	0.05	0.551	16,000	8.00	16.5
200	0.10	0.877	18,000	9.00	17.9
		~~1.40~~			
400	0.20	**1.39**	20,000	10.00	19.2
600	0.30	1.83	30,000	15.00	25.2
800	0.40	2.22	40,000	20.00	30.5
1,000	0.50	2.58	50,000	25.00	35.4
1,500	0.75	3.38	60,000	30.00	40.0
2,000	1.00	4.10	70,000	35.00	41.3
2,500	1.25	4.76	80,000	40.00	42.5
3,000	1.50	5.38	90,000	45.00	43.6
		~~5.96~~			
3,500	1.75	**5.97**	100,000	50.00	44.6
4,000	2.00	6.52	120,000	60.00	46.3
5,000	2.50	7.58	140,000	70.00	47.8
					~~49.0~~
6,000	3.00	8.56	160,000	80.00	**49.1**
					~~51.2~~
7,000	3.50	9.49	200,000	100.00	**51.3**
		~~10.40~~			
8,000	4.00	**10.4**	1,000,000	500.00	69.0
		~~11.20~~			
9,000	4.50	**11.2**	2,000,000	1,000.00	77.6
		~~12.00~~			
10,000	5.00	**12.0**	6,000,000	3,000.00	92.7
		~~13.60~~			
12,000	6.00	**13.6**			

~~(3) When the process weight exceeds two hundred (200) tons/hour, the maximum allowable emission may exceed that shown in the table, provided the concentration of particulate matter in the discharge gases to the atmosphere is less than (0.10) pounds per one thousand (1,000) pounds of gases.~~

[*1] Interpolation of the data in this table for process weight rates up to sixty thousand (60,000) lbs/hr shall be accomplished by use of the equation:

$$E = 4.10\ P^{0.67}$$

and interpolation and extrapolation of the data for process weight rates in excess of sixty

thousand (60,000) lbs/hr shall be accomplished by use of the equation:

$$E = 55.0\ P^{0.11} - 40$$

Where: E = rate of emission in lbs/hr. ~~and~~

P = **maximum** process weight in tons/hr.

(Air Pollution Control Board; 326 IAC 6-3-2; filed Mar 10, 1988, 1:20 p.m.: 11 IR 2499)